Initial Configuration Document

Define Initial Configuration & Specifications

- to write R&D plan, initial cost estimate for CD-0
- > for CD-0 Mission Need
 - P5 document states

Fermilab's physics vision for this proton source has three main elements:

- 1. A neutrino beam for long baseline neutrino oscillation experiments. A new 2-megawatt proton source with proton energies between 50 and 120 GeV would produce intense neutrino beams, directed toward a large detector located in a distant underground laboratory.
- 2. Kaon-and muon-based precision experiments exploiting 8 GeV protons from Fermilab's Recycler, running simultaneously with the neutrino program. These could include a world-leading muon-to-electron conversion experiment and world-leading rare kaon decay experiments.
- 3. A path toward a muon source for a possible future neutrino factory, and, potentially, a muon collider at the Energy Frontier. This path requires that the new 8 GeV proton source have significant upgrade potential.

These physics objectives define the mission need.

■ Will Include:

- Requirements table
- > Accelerator and Technology Choices
- Known Issues with those choices

Does not address

- > research plan
- > cost estimates
- > schedule

Thursday, August 28, 2008

Schedule

- Goal: 1 Oct 08
- Drop Dead Date: 1 Nov 08
 - > need it by November collaboration meeting
- Decide by 15 September on:
 - > Requirements table based on RnD plan from January 08
- Weekly meetings Friday 2PM Comitium
 - projectx_icd@fnal.gov listserv mailing list

	- Course	-	- m	_	Name America
Pass Hs.				i 	
LI	OR BATTLE FROM	75	W	ì	÷
_	Food on Som Form		X.		
2	Auth Jean of Mira Bur Pera				
15	Auth Jean of Micro Res Auth Jean of Micro Asse (2004) Auth	3	C.		
IA IA 74	O BANA ANA	3	v v	}	·
74	Miles.	·····	r	l	ŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢ
2.1	Anna Bar Gara	78	-A.	- 10	
33	Maleret	15	P ²	8	
7.3 7.4	Paper can	2	~		
20	TO NO. A. AM. Park P. Comm	314	u_	Ma All	20 20 28
75 	- Indiana		<u> </u>	1 1.	
21	}	l!	u	2.0	
74				3.0 4.0	
		t&	Ŀ	23	5.7
····×iī···	Was hot Dr. ham	†	ü	50	A.P.
AR		#	MY	2.0	
29		N. M. M.	÷	28 20 20 20	
	3A B ALB ASS	!!!	7 7	70	
	Post Prices	a	600mm	ì	·····
25	7	ਐ 2			· · · · · · · · · · · · · · · · · · ·
	Anna Bur Com	- 20		- 10	
34	Males	15		10	
31	CERTAL AND	2	ů	15	1 1
14 14 17	1	2		0000 833	
ננ	Toget Leaned			2.1	10 10 10
2.9	Paul Pr Custon	314	₩.	11	10 10 10
18	Josephone Josephone Bard Research	h	! :	41 48 48	
À	Start Basemberl	t	<u> </u>	4.0	
10	Indirage		200		
14	Zuoveektovaeliitiinental	7A		2.0	20
40		k <u>'</u>	ч	2.5	20
ÀŘ			4	21 28 20 20	·····•
10	**-N-1-1		G	20	·····•
- 3	And the latest and th	L		l	<u> </u>
41	}		u	[Ĭ
49					
		<u>+∵</u> ਯੂ	Geogra	116	······
29 20 20 20 20 20 20 20 20 20 20 20 20 20	Indiangs		ß	211	
- 46	Aborner Theoryman demonstra	L 2		200	43
4!		MA	<u></u>	-51	43
- 43	Furthern, Vanor	68.0	ŭ	.3	
4.0	lean.	1.2	C.	28	
5.0			F.		
2.1	hough	3	ew.		
- 22	Amerikana Amerikana	W.S	ļ.		
- 5	A.M.		ů	l ŭ	
22	harte.	, in	Č.	2.2	
24 27 22	Marrier Steam Dates Fare SHI	LE:		22	
2.5	Winds are as a second	70		24	
23	Britislam	l :		24	
	lamenta management	1.4		34	2.0
211	Dub Free	7		N.	
70 70 70	Primary	2 2		E.	
70	Primary Amelicat	2 2		20.00	
20	Primary And Entered Park Parcels Start Courts	7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		04 2344 4452 55	
20	Primary And Entered Park Parcels Start Courts			20 22	ł
20	Primary And Entered Park Parcels Start Courts			2222	<u> </u>
70	Primary And Entered Park Parcels Start Courts			2222	
70	Primary And Entered Park Parcels Start Courts		0 0 0 0 0 0 0 0 0 0	 	
20	Primaring And Barrier Bade Navide Barrier (SE Medicade Tran (SE M		0 0 0 0 0 0 0 0 0 0	 	
20	Primaring And Barrier Bade Navide Barrier (SE Medicade Tran (SE M		0 0 0 0 0 0 0 0 0 0	 	
20 22 22 22 22 22 22 22 22 22 22 22 22 2	Primary And Entered Park Parcels Start Courts			 	
20 22 22 22 22 22 22 22 22 22 22 22 22 2	Primaring And Barrier Back Parade		0 0 0 0 0 0 0 0 0 0	 	
20 22 22 22 22 22 22 22 22 22 22 22 22 2	Primaring And Barrier Back Parade		0 0 0 0 0 0 0 0 0 0	 	N
20 22 22 22 22 22 22 22 22 22 22 22 22 2	Primaring And Barrier Back Parade		0 0 0 0 0 0 0 0 0 0	 	
20 22 22 22 22 22 22 22 22 22 22 22 22 2	Primaring And Bar I and Paul Provide Bar Caren Self-Bolanda Care Self-Bolanda Caren Self-Bolanda C		0 0 0 0 0 0 0 0 0 0	 	bil .
20 20 20 20 20 20 20 20 20 20 20 20 20 2	Primary And Rail Tomb Park Provide Barry Barry Deliver Comment		0 0 0 0 0 0 0 0 0 0	2222	
20 20 20 20 20 20 20 20 20 20 20 20 20 2	Primary And Barde Bard Comm Self-Committee S		0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	
	Primaring And Read Read Comm The Primaring Service Common		0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	
	Primaring from Earl Install Park Provide Base Caren Bill Spring Strict Base Caren S		A CONTRACTOR OF THE CONTRACTOR	000000000000000000000000000000000000000	
	Primaring And Basic Involve Park Provide Basic Course Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Self-Bollo		0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	
20 20 20 20 20 20 20 20 20 20 20 20 20 2	Primaring And Basic Involve Park Provide Basic Course Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Self-Bollo		A CONTRACTOR OF THE CONTRACTOR	000000000000000000000000000000000000000	
20 20 20 20 20 20 20 20 20 20 20 20 20 2	Primaring And Basic Involve Park Provide Basic Course Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Self-Bollo	. Id	A CONTRACTOR OF THE CONTRACTOR	 	
20 20 20 20 20 20 20 20 20 20 20 20 20 2	Primaring And Basic Involve Park Provide Basic Course Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Cours Self-Bollovek Self-Bollo		berry Comment of the	000000000000000000000000000000000000000	
20 20 20 20 20 20 20 20 20 20 20 20 20 2	Primaring from Earl Install Park Provide Base Caren Bill Spring Strict Base Caren S		A CONTRACTOR OF THE CONTRACTOR	000000000000000000000000000000000000000	

Thursday, August 28, 2008